

Title (en)

HIGH-DENSITY GRANULAR DETERGENT COMPOSITION

Title (de)

GRANULARES WASCHMITTEL MIT HOHEM SCHUTTGEWICHT

Title (fr)

COMPOSITION DETERGENTE GRANULAIRE A HAUTE DENSITE

Publication

**EP 0889116 A4 20020403 (EN)**

Application

**EP 97907351 A 19970317**

Priority

- JP 9700859 W 19970317
- JP 9013196 A 19960319

Abstract (en)

[origin: EP0889116A1] A high-density granular detergent composition including A) one or more surfactants; B) one or more crystalline alkali metal silicates having an SiO<sub>2</sub>/Na<sub>2</sub>O molar ratio of from 0.5 to 2.6; and C) one or more metal ion capturing agents other than Component B, having a calcium ion capturing ability of 200 CaCO<sub>3</sub> mg/g or more. Here, a total amount of Component A, Component B, and Component C is from 70 to 100% by weight of the entire granular detergent composition, and a weight ratio of Component B to Component A is B/A = 9/1 to 9/11, and a weight ratio of Component B to Component C is B/C = 4/1 to 1/15. The high-density granular detergent composition includes granules (I) containing the crystalline alkali metal silicate of Component B and granules (II) containing the metal ion capturing agents of Component C, the granules (I) and the granules (II) being present substantially in separate granules.

IPC 1-7

**C11D 3/08**; **C11D 3/12**; **C11D 17/06**; **C11D 17/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 4632768 A 19861230 - ATKINSON NEIL J [BE]
- See references of WO 9734978A1

Cited by

EP1085080A4; US6534474B1; US6579844B1; WO0078914A1

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